Listing of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

CLAIMS:

1.   (Previously Presented) A method, comprising:

calculating a course between two or more waypoints;

analyzing cartographic data for the course for user identified criteria to avoid;

providing an alert signal when the course contains user identified criteria;

determining a present location on the course based on a signal from a global positioning system (GPS); and

analyzing cartographic data for a predetermined area around the present location for user identified criteria to avoid, wherein the predetermined area has a shape based on a heading.

2.   (Original) The method of claim 1, wherein calculating the course includes calculating the course to avoid the user identified criteria between the two or more waypoints.

3.   (Previously Presented) The method of claim 2, wherein calculating the course includes identifying one or more non-user selected waypoints on the course.

4.   (Original) The method of claim 1, wherein calculating the course include re-calculating the course to avoid the user identified criteria between the two or more waypoints when one or more user identified criteria are identified between the two or more waypoints.

5.   (Canceled)

6.   (Previously Presented) The method of claim 1, further including providing an alert signal when the analyzed cartographic data for the predetermined area around the present location includes user identified criteria.

7.   (Original) The method of claim 1, further including receiving user identified criteria selected from the group of a predetermined grade, a swamp, a lake, a river, a gorge, a cliff, ice, composition of path surface, non-wheelchair accessible, ranking value, and a terrain difficulty level.

8.   (Previously Presented) A method for calculating a course, comprising:

analyzing cartographic data between two or more waypoints for user identified

criteria to avoid;

performing a route calculation algorithm to calculate a course that includes the two

or more waypoints with a preference to avoid user identified criteria;

determining a present location on the course based on a signal from a global

positioning system (GPS); and

analyzing cartographic data for a predetermined area around the present location

for user identified criteria to avoid, wherein a shape of the predetermined

area is based on a heading.

9.   (Original) The method of claim 8, wherein performing the route calculation algorithm

includes re-calculating the course to avoid the user identified criteria between the two or

more waypoints in response to a user input.

10.   (Previously Presented) The method of claim 8, wherein the course calculated by the

route calculation algorithm further includes identifying one or more non-user selected

waypoints on the course.

11.   (Canceled)

12. (Previously Presented) The method of claim 8, further including providing an alert signal when the analyzed cartographic data for the predetermined area around the present location includes user identified criteria.

13. (Previously Presented) The method of claim 8, further including receiving user identified criteria selected from the group of a predetermined grade, a swamp, a lake, a river, a gorge, a cliff, ice, composition of path surface, non-wheelchair accessible, ranking value, and a terrain difficulty level.

14. (Previously Presented) A method, comprising:

determining a present location based on a signal from a global positioning system (GPS); and

analyzing cartographic data for a predetermined area around the present location for user identified criteria to avoid, wherein a shape of the predetermined area is based on a heading.

15. (Original) The method of claim 14, further including providing an alert signal when the analyzed cartographic data for the predetermined area around the present location includes user identified criteria.

16.   (Previously Presented) The method of claim 14, wherein the predetermined area includes radii extending along the heading from the present location.

17.   (Original) The method of claim 16, wherein the radii includes an angle formed from line segments emanating from the present location.

18.   (Previously Presented) The method of claim 17, wherein the angle includes user selectable values of greater than 0° degrees to 360° degrees.

19.   (Original) The method of claim 16, wherein the radii extend a predetermined distance along the heading from the present location.

20.   (Original) The method of claim 14, further including receiving user identified criteria selected from the group of a predetermined grade, a swamp, a lake, a river, a gorge, a cliff, ice, composition of path surface, non-wheelchair accessible, ranking value, and a terrain difficulty level.

21-28. (Canceled)

29.   (Previously Presented) A computer readable medium having a set of computer readable instructions for causing a device to perform a method that comprises:

calculating a course between two or more waypoints;

analyzing cartographic data for the course for user identified criteria to avoid;

providing an alert signal when the course contains user identified criteria;

determining a present location on the course based on a signal from a global positioning system (GPS); and

analyzing cartographic data for a predetermined area around the present location for user identified criteria to avoid, wherein a size of the predetermined area is based on a speed.

30.   (Original) The computer readable medium of claim 29, wherein calculating the course includes performing a route calculation algorithm to calculate the course between the two or more waypoints with a preference for avoiding user identified criteria.

31.   (Original) The computer readable medium of claim 30, wherein performing the route calculation algorithm includes calculating the course that avoids user identified criteria between the two or more waypoints.

32.   (Original) The computer readable medium of claim 30, wherein the method further includes re-calculating the course to avoid the user identified criteria between the two or more waypoints when the route calculation algorithm identifies one or more user identified criteria between the two or more waypoints.

33.   (Previously Presented) The computer readable medium of claim 29, wherein calculating the course includes identifying one or more non-user selected waypoints on the course.

34.   (Canceled)

35.   (Previously Presented) The computer readable medium of claim 29, further including providing an alert signal when the analyzed cartographic data for the predetermined area around the present location includes user identified criteria.

36.   (Original) The computer readable medium of claim 29, further including receiving user identified criteria selected from the group consisting of a predetermined grade, a swamp, a lake, a river, a gorge, a cliff, ice, composition of path surface, non-wheelchair accessible, ranking value, and a terrain difficulty level.

37. (Currently Amended) A navigation device, comprising:

a processor;

an input operatively coupled to the processor, wherein the input receives two or

more waypoints;

a memory operatively coupled to the processor and the input, the memory having

cartographic data including user identified criteria, wherein the processor

operates on a route calculation algorithm to calculate a course between the

two or more waypoints based on the user identified criteria of the

cartographic data, and wherein the processor operates on the route

calculation algorithm to identify one or more non-user selected waypoints

between the two or more waypoints; and

a transceiver operably coupled to the processor to wirelessly transmit and receive

voice data signals with an electronic device.

38. (Original) The navigation device of claim 37, wherein the processor operates on the

route calculation algorithm to analyze cartographic data for the course to identify and avoid

user identified criteria in the course between the two or more waypoints.

39. (Original) The navigation device of claim 37, wherein the processor operates on the

route calculation algorithm to generate a signal for an alert signal when the course contains

user identified criteria.

40.   (Original) The navigation device of claim 37, wherein the processor operates on the

route calculation algorithm to avoid the user identified criteria by re-calculating the course

to avoid the user identified criteria between the two or more waypoints when the route

calculation algorithm identifies one or more user identified criteria between the two or more

waypoints.

41-42. (Canceled)

43.   (Previously Presented) The navigation device of claim 37, wherein the transceiver is

operable to transmit and to receive voice data signals on a Family Radio Service (FRS)

frequency.

44. (Previously Presented) A navigation device, comprising:

a processor;

a receiver for a global positioning system (GPS) operatively coupled to the processor; and

a memory operatively coupled to the processor, the memory having cartographic data including user identified criteria, wherein the processor determines a present location value based on a signal received from the GPS, and analyzes cartographic data for a predetermined area around the present location value for user identified criteria to avoid, wherein a size and shape of the predetermined area is based on a speed and heading.

45. (Original) The navigation device of claim 44, wherein the processor provides an alert signal when the analyzed cartographic data for the predetermined area around the present location value includes user identified criteria.

46. (Original) The navigation device of claim 44, wherein the processor operates on a track log algorithm to record a track log based on a series of the present location value, and operates on a heading algorithm to determine a heading based on the track log, wherein the processor further operates on an analysis algorithm to analyzes cartographic data of the heading for the user identified criteria, and wherein the processor generates a signal for an alert signal when the heading contains user identified criteria.